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MIL-PRF-15160/39  
1 February 1961

## PERFORMANCE SPECIFICATION

### FUSES, STYLE F39

*This specification is approved by the Department of Defense and is mandatory for use by the Departments of the Army, the Navy, and the Air Force.*

#### 1. SCOPE

1.1 This specification covers the detailed requirements for fuses style F39.

#### 2. APPLICABLE DOCUMENTS

2.1 The following specification, of the issue in effect on date of invitation for bids, form a part of this specification to the extent specified herein:

#### SPECIFICATION

#### MILITARY

MIL-F-15160 - Fuses; Instrument, Power, and Telephone.

(Copies of specifications, standards, drawings, and publications required by suppliers in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

#### 3. REQUIREMENTS

3.1 General requirements. Fuses shall be in accordance with Specification MIL-F-15160, and as specified herein. The electrical and physical requirements shall be as shown in figure 1 and in tables I, II and III.

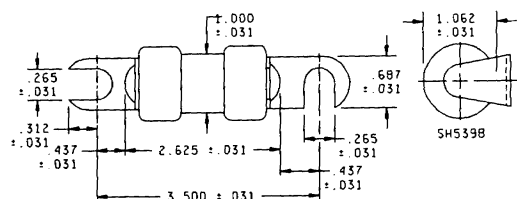


Figure 1. Dimension in inches for Style F39 fuse.

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TABLE I. *Physical requirements*

(Nonindicating fuse)	
Case material	Fiber
Lug material	Brass
Terminal strength (Ferrules)	5-pound-inch torque

TABLE II. *Electrical requirements*

Voltage rating		125 volts, max.	
Overload blowing	Percent nominal rating	Normal blowing time	Time lag blowing time
	135 300	0-2 hours .....	0-2 hours 15 secs. min.
Short circuit	10,000 amperes at rated voltage dc		

TABLE III. *Style, characteristics, current and voltage ratings*

Type designation			
Style	Characteristic	Voltage	Current
F39	A	125V	70A
F39	A	125V	80A
F39	A	125V	100A
F39	A	125V	120A
F39	B	125V	70A
F39	B	125V	80A
F39	B	125V	100A
F39	B	125V	120A

## Custodians:

Army—Signal Corps  
Navy—SHIPS  
Air Force—DAY

## 4. QUALITY ASSURANCE PROVISIONS

**4.1 Sampling and inspection.** Sampling and inspection shall be in accordance with Specification MIL-F-15160.

**4.2 Qualification.** Qualification specimens required:

- (a) 24 samples maximum current rating of each voltage and design.
- (b) 24 samples minimum current rating of each voltage and design.

## 5. PREPARATION FOR DELIVERY

**5.1** Preparation for delivery shall be in accordance with Specification MIL-F-15160.

**5.1.1** The standard unit package is 5 pieces.

## 6. NOTES

**6.1** The notes specified in Specification MIL-F-15160 are applicable to this specification.

**6.2** Ordering data required by 6.2 of Specification MIL-F-15160 shall be included in all procurement documents.

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## Preparing activity:

Navy—Ships  
(Project 5920-0065)